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NOTICE OF ALLOWANCE AND FEE(S) DUE

05514

7590

09/24/2003

FITZPATRICK CELLA HARPER & SCINTO 30 ROCKEFELLER PLAZA NEW YORK, NY 10112 EXAMINER

MATHEWS, ALAN A

ART UNIT

CLASS-SUBCLASS

2851

355-068000

DATE MAILED: 09/24/2003

APPLICATION NO.	FILING DATE	FIRST VILLED BY FILMER	T		
		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/845,297	05/01/2001	Akihiro Nakauchi	862.C2217	3006	

TITLE OF INVENTION: PROJECTION EXPOSURE APPARATUS HAVING ABERRATION MEASUREMENT DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1300	\$300	\$1600	12/24/2003	

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATEN <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHT THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPO PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM TH MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THE STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOV REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (O AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WIL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

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- B. If applicant claimed SMALL ENTITY status before, or is n claiming SMALL ENTITY status, check the box below and enclo the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
 - □ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) w your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing n applications filed on or after Dec. 12, 1980 may require payment maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed wh appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" maintenance fee notifications.

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09/24/2003

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I hereby certify that this Fee(s) Transmittal is being deposited with the Un States Postal Service with sufficient postage for first class mail in an envel addressed to the Mail Stop ISSUE FEE address above, or being facsim transmitted to the USPTO, on the date indicated below.

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nonprovisional	NO	\$1300)	\$300	\$16	000	12/2	24/2003
EXA	MINER	ART UN	пт	CLASS-SUBCLASS				
MATHEW	/S, ALAN A	2851		355-068000	 _			
1. Change of correspondent CFR 1.363). Change of correspond Address form PTO/SB/1 "Fee Address" indicat PTO/SB/47; Rev 03-02 Number is required.	names of agents OR firm (havinagent) and	ting on the patent front p up to 3 registered pate , alternatively, (2) the na ng as a member a registe the names of up to 2 ro or agents. If no name is sted.	nt attorneys or nme of a single cred attorney or egistered patent	123				
PLEASE NOTE: Unless been previously submitte (A) NAME OF ASSIGN	D RESIDENCE DATA TO B s an assignee is identified be ed to the USPTO or is being s IEE e assignee category or catego	ow, no assignee d ubmitted under sej (B	ata will appea parate cover. () RESIDENC	r on the patent. Inclusion Completion of this form is E: (CITY and STATE OR	COUNTRY)			
4a. The following fee(s) are			. Payment of I		corporation or o	ther private gro	oup entity	governm
☐ Issue Fee	onelosea.		•	the amount of the fee(s) is	n analogad			
☐ Publication Fee	•			, ,				
☐ Advance Order - # of	Copies	☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment Deposit Account Number (enclose an extra copy of this form).				verpayment orm).		
Director for Patents is reque	ested to apply the Issue Fee ar	nd Publication Fee	(if any) or to r	e-apply any previously pa				
(Authorized Signature)		(Date)				- 		

NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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30 ROCKEFELLER PLAZA NEW YORK, NY 10112			ART UNIT	PAPER NUMBER		
			2851			
			DATE MAILED: 09/24/2007	1		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after t mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a ha months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date th determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retriev (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



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NEW YORK, N			ART UNIT	PAPER NUMBER		
			2851			
			DATE MAILED: 09/24/200	3		

Notice of Fee Increase on October 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2003, then t amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be increase in fees effective on October 1, 2003. See Revision of Patent Fees for Fiscal Year 2004; Final Rule, 68 Fe Reg. 41532, 41533, 41534 (July 14, 2003).

The current fee schedule is accessible from (http://www.uspto.gov/main/howtofees.htm).

If the fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due" but not the correct amount in vie of the fee increase, a "Notice of Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processi delays associated with mailing of a "Notice of Pay Balance of Issue Fee," if the response to the Notice of Allowan is to be filed on or after October 1, 2003 (or mailed with a certificate of mailing on or after October 1, 2003), t issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and t response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to t issue fee now due, then the difference between the issue fee amount at the time the response is filed and t previously-paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eigh Edition, August 2001).

Effective October 1, 2003, 37 CFR 1.18 is amended by revising paragraphs (a) through (c) to read as set forth below Section 1.18 Patent post allowance (including issue) fees.

By other than a small entity......\$640.00

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of t Office of Patent Publication at (703) 305-8283.



	Applicati n No.	Applicant(s)	
	09/845,297	NAKAUCHI ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Alan A. Mathews	2851	
The MAILING DATE of this communication appeall claims being allowable, PROSECUTION ON THE MERITS IS nerewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT Report the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate com IGHTS. This application i	In this application. If not include munication will be mailed in due	led course. THIS
 This communication is responsive to <u>communication filed</u> The allowed claim(s) is/are <u>1-15</u>. The drawings filed on <u>01 May 2001</u> are accepted by the E Acknowledgment is made of a claim for foreign priority undapped at the communication is responsive to a communication filed All b) Some* c) None of the: 	xaminer.) or (f).	
1. ☑ Certified copies of the priority documents have	e been received.		
2. Certified copies of the priority documents have		ation No	
3. ☐ Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)).			ation from the
* Certified copies not received: 5. Acknowledgment is made of a claim for domestic priority u (a) The translation of the foreign language provisional a 6. Acknowledgment is made of a claim for domestic priority u	application has been recei	ved.	
Applicant has THREE MONTHS FROM THE "MAILING DATE" on below. Failure to timely comply will result in ABANDONMENT of the comply will result in ABANDONMENT of the complex of	this application. THIS TI	HREE-MONTH PERIOD IS NOT	EXTENDABLE.
NFORMAL PATENT APPLICATION (PTO-152) which gives reas			
 B. ☐ CORRECTED DRAWINGS must be submitted. (a) ☐ including changes required by the Notice of Draftsper 1) ☐ hereto or 2) ☐ to Paper No 	rson's Patent Drawing Re	view (PTO-948) attached	
(b) including changes required by the proposed drawing		hich has been approved by the	
(c) including changes required by the attached Examiner	r's Amendment / Commen	it or in the Office action of Paper	No
Identifying indicia such as the application number (see 37 CFR 1 each sheet.	1.84(c)) should be written o	n the drawings in the front (not th	e back) of
9. DEPOSIT OF and/or INFORMATION about the depondent the Depondent Information of the Depondent Portion of the Depondent			Note the
Attachment(s)			
1 Notice of References Cited (PTO-892) 3 Notice of Draftperson's Patent Drawing Review (PTO-948) 5 Information Disclosure Statements (PTO-1449), Paper No. 1 7 Examiner's Comment Regarding Requirement for Deposit of Biological Material	4 <u></u> Interv <u>′2</u> . 6⊠ Exam	e of Informal Patent Application of the Summary (PTO-413), Paper inner's Amendment/Comment inner's Statement of Reasons for including the Care Comment in the Summary of th	r No Allowance
		Alan A. Mathews Primary Examiner	

Art Unit: 2851

SUBSTITUTE SPECIFICATION

Page 2

1. The substitute specification filed September 5, 2003, has been entered.

INFORMATION DISCLOSURE STATEMENT

2. The copending U. S. Patent Application 10/028,462 has been considered but has not been cited since it is not yet a publication.

REASONS FOR ALLOWANCE

3. The following is an examiner's statement of reasons for allowance:

The prior art of record does not disclose or suggest a measurement device including a measurement surface positioned at a plane conjugate to a pupil plane of the projection optical system or a plane spaced apart from the mask enough to separately detect respective rays emerging from plural points of the pupil plane and passing through the transmission portion in combination with the other elements recited in independent claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alan A. Mathews whose telephone number is (703) 308-1706.

The examiner can normally be reached on Monday through Friday from 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Russ Adams can be reached on (703) 308-2847. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Alan A. Mathews Primary Examiner Art Unit 2851

Clan G. Mathen

AAM